APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

The Theory of Equilibrium Concentrations and Continuous Flow of a Solution; Counter-flow Processes, by N. I. Kirillov, 21 pp.

RUSSIAN, par, Zhur Prik Khim, Vol XVIII, No 7/8, 1945, pp 381-392.

SLA 60-18411
(SLA 63-14410)

Sci
Vol IV, No 11
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Stability and Volatility of Tin Oxides, by V. K. Veselovskiy, 28 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVI, No 9, 10, 1943, pp 397-415.

Sci Mus Lib No 54/3560

Scientific - Chemistry Apr 55 CTS/DEX

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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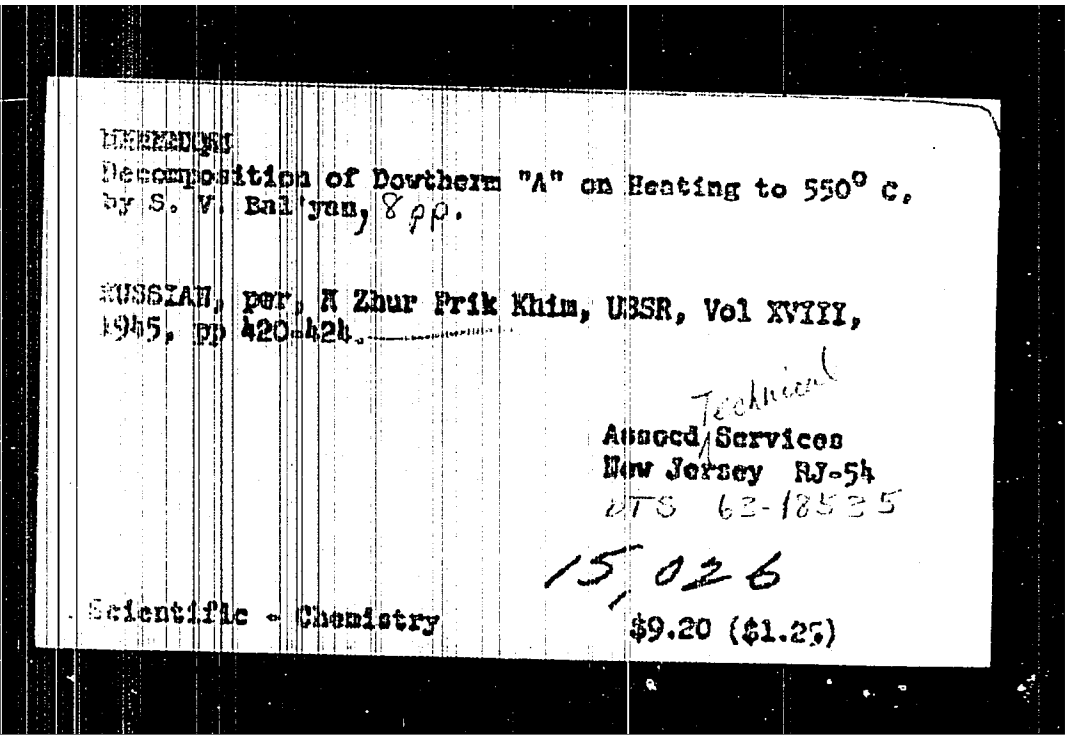

[redacted]
Decomposition of Dowtherm "A" on Heating to 550° C.
by S. V. Bal'yan, 8 pp.

RUSSIAN, per, A Zhur Prik Khim, USSR, Vol XVIII,
1945, pp 420-424.

Technical
Abstract Services
New Jersey RJ-54
OTS 62-18535

15,026

Scientific - Chemistry

$9.20 ($1.25)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Samsan, E. D., Rudakova, M. P., and Titova, Z. M.
DEHYDROGENATION OF TURPENTINE OVER A CHROMIUM OXIDE CATALYST. [1961] 5p. 17 refs.
Order from: OTS or SLA $4.10 61-20132

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 425-429.

DESCRIPTORS: *Turpentine, Dehydrogenation, *Chromium compounds, *Oxides, Catalysts, Catalysis, *Cymenes, *Hydrocarbons.

Dehydrogenation of turpentine hydrocarbons was studied as a part of the research on preparation of high octane motor fuel components from turpentine. Conversion of the charging stock in contact with chromia on alumina at 200-500° was found to involve dehydrogenation of α-pinene and carene to p-cymene, how- (Chemistry--Organic, TT, v. 6, no. 11) (over)

61-20132

I. Samsan, E. D.
II. Rudakova, M. P.
III. Titova, Z. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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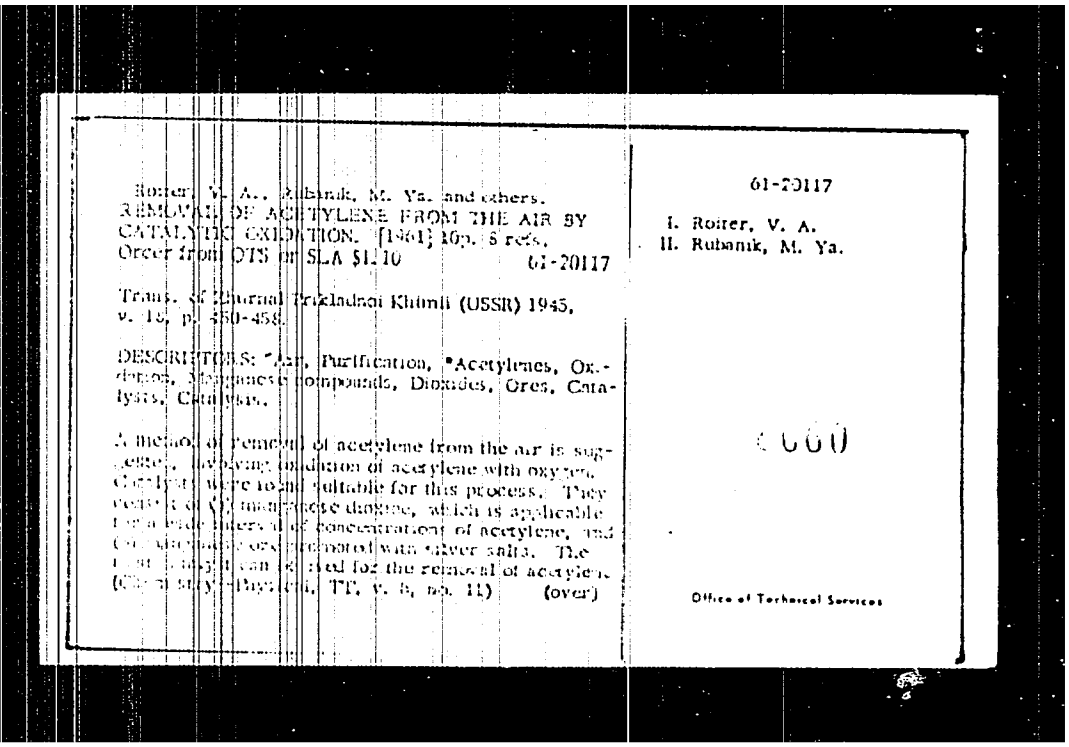

Roiter, V. A., Rubanik, M. Ya. and others.
REMOVAL OF ACETYLENE FROM THE AIR BY CATALYTIC OXIDATION. [1961] 10p. 8 refs.
Order from OTS for SLA $1.10 61-20117

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 450-458.

DESCRIPTORS: *Air, Purification, *Acetylenes, Oxidation, Manganese compounds, Dioxides, Ores, Catalysts, Catalysis.

A method of removal of acetylene from the air is suggested, involving oxidation of acetylene with oxygen. Catalysts were found suitable for this process. They consist of MnO2 manganese dioxide, which is applicable for a wide interval of concentrations of acetylene, and MnO2 dioxide ores activated with silver salts. The latter catalyst can be used for the removal of acetylene (Chemical Abstracts, Physical, TT, v. 5, no. 11) (over)

61-20117

I. Roiter, V. A.
II. Rubanik, M. Ya.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

61-20133

Rotter, Z. A., Gaukhman, S. S., and Tudorovskaya, M. A.
CATALYTIC OXIDATION OF HYDROGEN SULFIDE IN THE PRESENCE OF HYDROGEN. [1961] 10p. 27 refs.
Order from CTS or SLA $1.10 61-20133

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 459-468.

DESCRIPTORS: *Hydrogen compounds, Sulfides, Oxidation, *Nickel catalysts, *Lead catalysts, Catalysts, Catalysis, *Hydrogen, Chemical reactions.

A study was carried out of the efficiency of the catalyst composed of oxides of nickel and lead and supported on kieselguhr in the oxidation of hydrogen sulfide in the mixture $H_2S + O_2 + H_2 + N_2$, as dependent upon the following factors: temperature, space veloc-
(Chemistry--Physical, TT, v. 6, no. 11) (over)

61-20133

I. Rotter, Z. A.
II. Gaukhman, S. S.
III. Tudorovskaya, M. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

62-14164

JOURNAL OF APPLIED CHEMISTRY, 1945, VOL. 18, NO. 9/10: TABLE OF CONTENTS AND SELECTED ABSTRACTS] [1961] 7p. 14 refs.
Order from OTS or SLA $1.10 60-14164

Abstracts, of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, nr. 9/10, p. 469-473, 505-507, 518-520, 534-547, 556-570, 572-575.

DESCRIPTORS: *Chemistry, Abstracting, Metallurgy, Chemical engineering, *Activated carbon, Oxidation, Inflammable materials, Temperature, *Carborundum, *Pipettes, Automatic, Adsorption, Gases, Absorption, *Coal tar, *Tear, Density, *Acetones, Oxidation, Potassium compounds, Manganates, *Organic compounds, *Alkyl radicals, Sulfur compounds, Chlorides, Amides, *Bentonite, Clays, Chemical industry.

(Chemistry, TT, v. 8, no. 2) (over)

1. Title: Suspension ultrafilters
I. Title: Alkyl...
II. Balkov, A. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Eidus, B. R.
DEPENDENCE OF THE HYDROGEN-CARBON RATIO IN LIQUID FUEL UPON ITS AVERAGE SPECIFIC GRAVITY. [1961] 6p. 12 refs.
Order from OTS or SLA $1.10 61-20140

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 548-555.

DESCRIPTORS: Liquids, *Fuels, *Oils, Organic compounds, *Hydrogen, *Carbon, Density, Stability.

On the example of a large number of organic compounds the hydrogen-carbon ratio was correlated with specific gravity. An equation (H/C)' = 3.86 - 2.3D was derived suitable for comparative characterization of crude oils with tars from coal and peat. Similar equations were derived for the series of paraffins and naphthenes. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

61-20140

I. Eidus, B. R.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Balandin, A. F., Bogdanova, O. K. and others.
CATALYTIC DEHYDROGENATION OF THE TECHNICAL BUTANE-BUTENE FRACTION OF CRACKED GAS. [1961] pp. 3 refs.
Order from CTS or SLA $1.10 61-20144

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 609-611.

DESCRIPTORS: *Butanes, *Butenes, Dehydrogenation, Catalysts, Catalysis, *Butadienes, Synthesis, *Hydrocarbons, Gases.

On the example of catalytic dehydrogenation of a plant-produced butane-butene fraction of cracking gases it was shown that the method of preparation of butadiene (by dehydrogenation of pure butane and 1-butene) previously described by the authors is totally applicable to gases from oil cracking. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

61-20144

I. Balandin, A. A.
II. Bogdanova, O. K.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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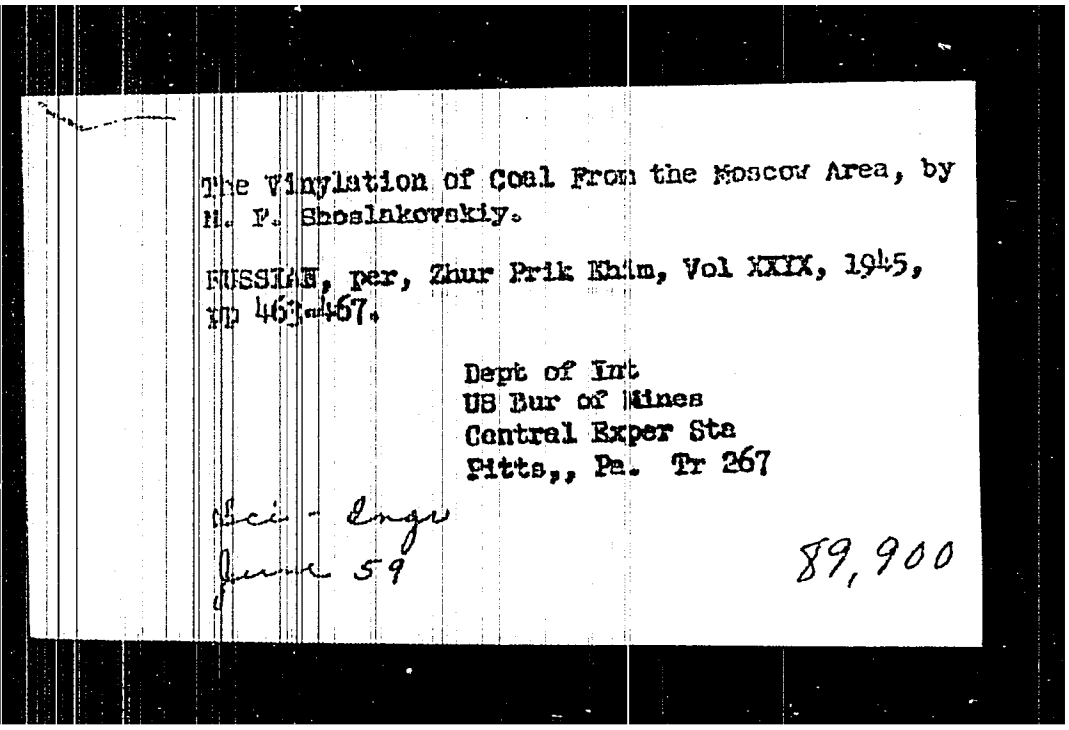

The Vinylation of Coal From the Moscow Area, by
M. F. Shostakovskiy.

RUSSIAN, per, Zhur Prik Khim, Vol XXIX, 1945,
pp 463-467.

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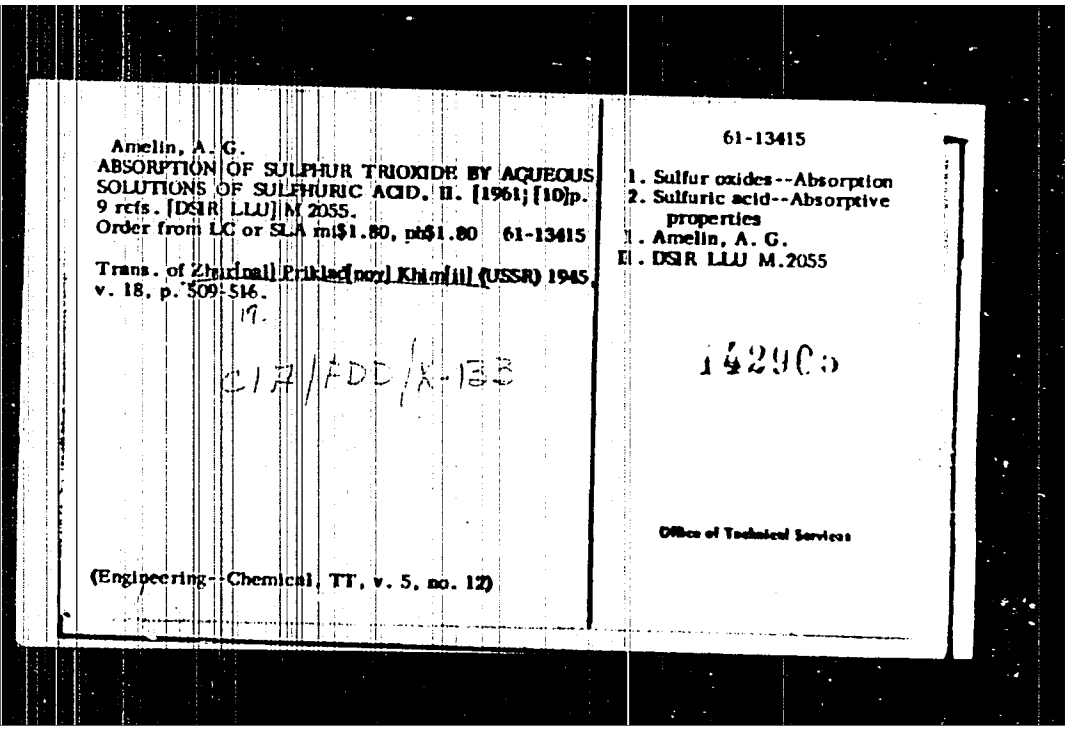

Amelin, A. G.
ABSORPTION OF SULPHUR TRIOXIDE BY AQUEOUS SOLUTIONS OF SULPHURIC ACID. II. [1961] [10]p. 9 refs. [DSIR LLU] M 2055.
Order from LC or SLA m$1.80, ph$1.80 61-13415

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1945, v. 18, p. 509-516.

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CIA/ADD/X-133

(Engineering--Chemical, TT, v. 5, no. 12)

61-13415

1. Sulfur oxides--Absorption
2. Sulfuric acid--Absorptive properties
I. Amelin, A. G.
II. DSIR LLU M.2055

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Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

62-14165

JOURNAL OF APPLIED CHEMISTRY, 1945, VOL. 18, NO. 11/12 [TABLE OF CONTENTS AND SELECTED ABSTRACTS] [1961] Fr. trefs.
Order from OTS or SLA $1.10 62-14165

Abstract trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 15, no. 11/12, p. 581-603, 644-646, [illegible], 690-698, 718-724.

DESCRIPTORS: *Chemistry, Abstracting, *Absorption, *Adsorption, Mixtures, *Alkylation, Ammonia, *Amines, *Aldehydes, Ketones, *Butyl radicals, *Vapors, Recovery, *Steam, *Activated carbon, Solvent action, *Gases, *Sodium compounds, *Fluorides, *Silicate, Colloids, *Zinc compounds, *Sulfates, Solutions, Purification, Copper, Cadmium, *Hydrogen compounds, *Sulfides, Ethanes, Sulfonates, Organic compounds, *Gold, Aliphatic compounds, *Tuberculosis, Therapy, Synthesis.
(Chemistry, TT, v. 8, no. 2) (over)

I. Title: Preparation...
II. Title: Desorption...
III. Pavorskii, A. E.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Investigations on the Field of Recovery of Volatile Solvents on Solid Sorbents. XI. Desorption of Solvents From Solid Sorbents With Steam. Theory of Desorption, by E. V. Alekseyevskiy, Z. S. Vanyushina.

RUSSIAN, per, Zhur Prik Khim, Vol XVIII, 1945, pp 658-665.

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Sci - Chem

207, 315

Aug 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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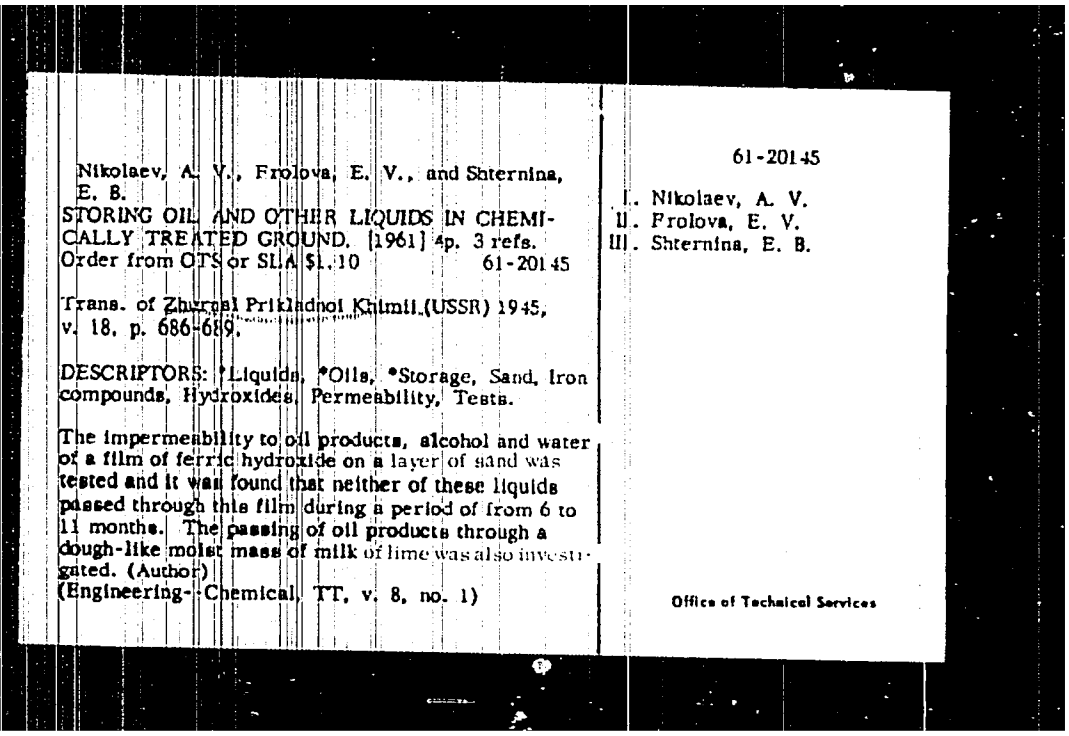

Nikolaev, A. V., Frolova, E. V., and Shternina, E. B.
STORING OIL AND OTHER LIQUIDS IN CHEMICALLY TREATED GROUND. [1961] 4p. 3 refs.
Order from OTS or SLA $1.10 61-20145

Trans. of Zhurnal Prikladnoi Khimii.(USSR) 1945, v. 18, p. 686-689.

DESCRIPTORS: *Liquids, *Oils, *Storage, Sand, Iron compounds, Hydroxides, Permeability, Tests.

The impermeability to oil products, alcohol and water of a film of ferric hydroxide on a layer of sand was tested and it was found that neither of these liquids passed through this film during a period of from 6 to 11 months. The passing of oil products through a dough-like moist mass of milk of lime was also investigated. (Author)
(Engineering--Chemical, TT, v. 8, no. 1)

61-20145

I. Nikolaev, A. V.
II. Frolova, E. V.
III. Shternina, E. B.

Office of Technical Services

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61-20160

Rozlovskaya, S. I. and Temkin, M. I.
VAPOR PRESSURE OF MIXTURES OF VINYLIDENE CHLORIDE AND VINYL CHLORIDE. [1961] 4p. 1 ref.
Order from CTS or SLA $1.10 61-20160

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, p. 30-34.

DESCRIPTORS: Vinyl Chlorides, Chlorides, Mixtures, Vapor pressure, Measurement.

Vapor pressures of vinyl chloride at from 20 to 60°C. and of vinylidene chloride within 20 and 90°C were determined and satisfactory agreement was established of the data for vinyl chloride with those reported in the literature. Vapor pressures of three mixtures of vinyl chloride with vinylidene chloride were determined within the temperature interval of 20 to 80°C and it was found that the vapor pressure of these mixtures can be calculated with sufficient approximation on the basis of the law of Raoult. (Author)

I. Rozlovskaya, S. I.
II. Temkin, M. I.

(Chemistry--Organic, TT, v. 7, no. 1)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Graphite-Fireclay Ladle Refractories and the Mechanism of Their Water, by P. P. Budnikov, L. A. Tseimlin.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, 1946, pp 40-.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

The Reciprocal System KCL - NH_4NO_3-H_2O in the Presence of Ammonia. 1. Quaternary Ammonical Systems: K'/Cl, NO'3 and HN'4/Cl', NO'3,
by N. P. Aleksandrov.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 19, No 1, 1946, pp 63-70.
SLA TT-66-10247

Sci-Chem
Aug 66 309,191

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Rabinovich, I. B. and Osin, B. V.
ELECTROCONDUCTIVITY OF LIME DURING HYDRATION AND SETTING. 22 July 63, 9p. (figs. tables omitted) 8 refs.
Order from OTS, $1.A or ETC $1.10 TT-63-18766

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1946, v. 19 [no. 1] p. 90-96.

DESCRIPTORS: *Cements, *Calcium compounds, Oxides, Hydroxides, *Hydrates, *Aging (Materials), *Hardening, *Electrochemistry, *Electrical conductance, *Electroosmosis,

A method was developed for measuring the electroconductivity at constant temperature during the highly exothermic process of hydration (and setting) of lime. A number of corresponding curves showing the changes in electroconductivity during the process was obtained. (Materials, TT, v. 11, no. 1) (over)

TT-63-18766

I. Rabinovich, I. B.
II. Osin, B. V.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

The Preparation and Properties of Ascorbic acid. On the Lactonisation of Diacetone-2-keto-gulonic acid, by Y. M. Slobodin, A. K. Basova.

RUSSIAN, par. Zhur. Priklady Khim., Vol XIX, 1946, pp 172-175.

UKSM Ref. T. 1774

Sci

65, 924

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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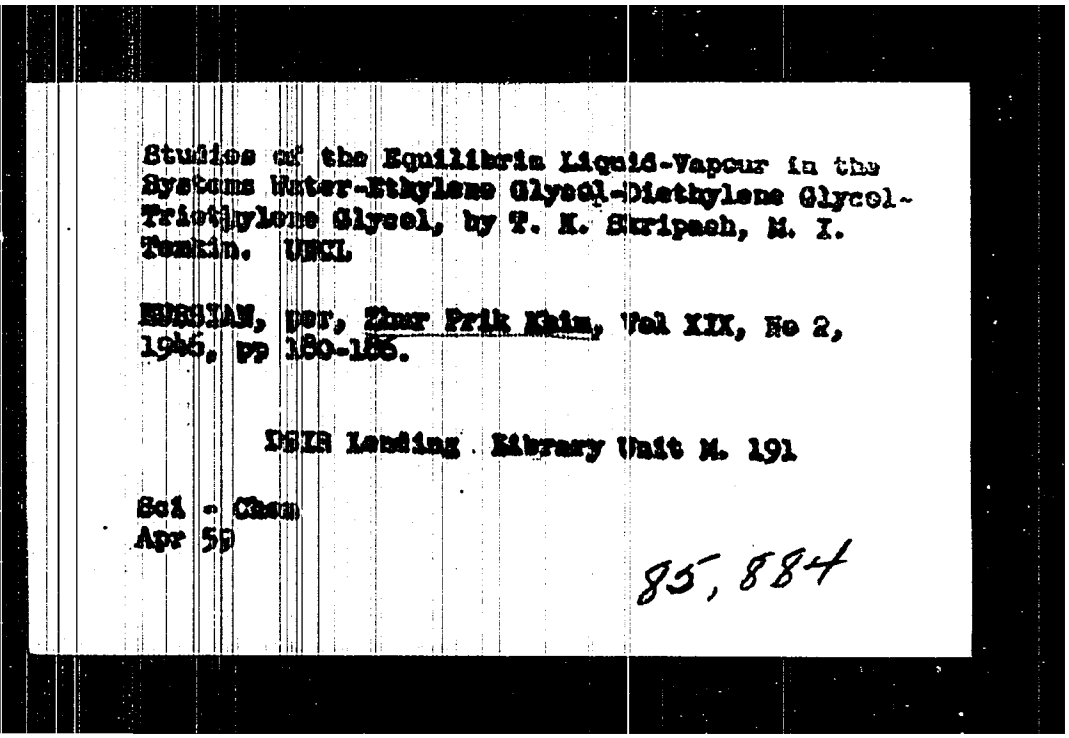

Studies of the Equilibria Liquid-Vapour in the Systems Water-Ethylene Glycol-Diethylene Glycol-Triethylene Glycol, by T. K. Stripach, M. I. Temkin. USSR

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 2, 1946, pp 180-186.

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Sci - Chem
Apr 59

85, 884

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Method of the Preparation of 2, 3-Dichlorobutadiene-1, 3, by A. L. Klebanskiy, A. P. Bellen'kaya, K. K. Chevychalova, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, 1946, pp 200-206.

SLA 60-17198

Sci

Apr 61

163,252

JPRS, Vol III, No 12

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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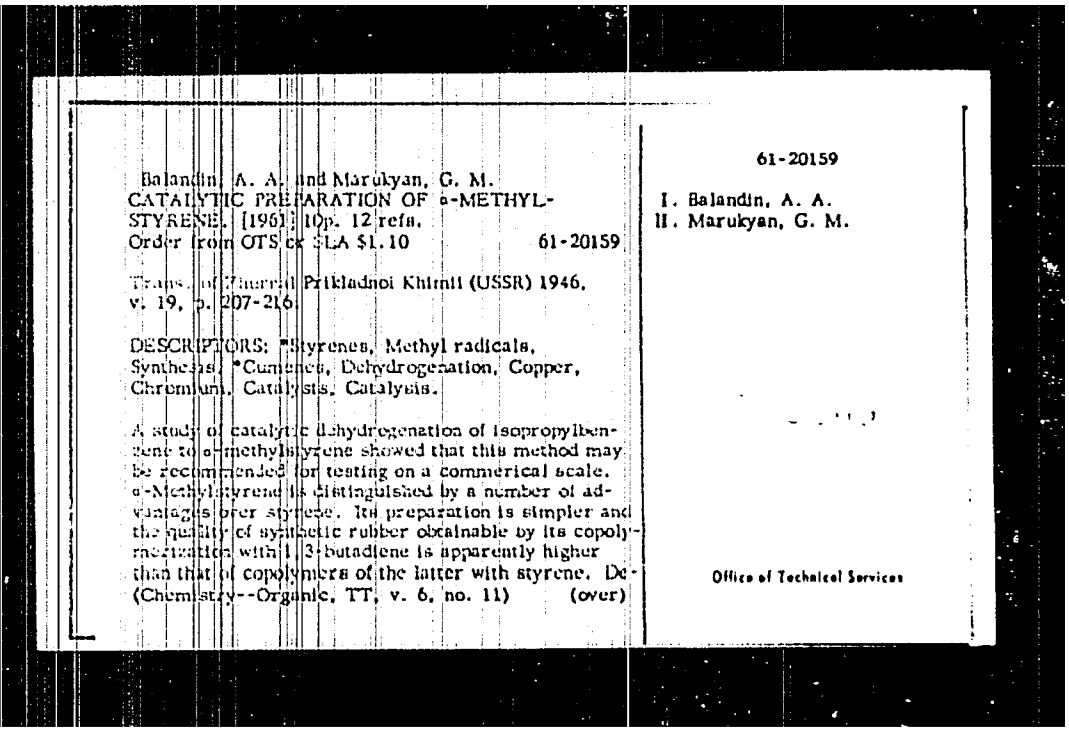

Balandin, A. A. and Marukyan, G. M.
CATALYTIC PREPARATION OF α-METHYL-STYRENE. [1961] 10p. 12 refs.
Order from OTS ex SLA $1.10 61-20159

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, p. 207-216.

DESCRIPTORS: *Styrenes, Methyl radicals, Syntheses, *Cumenes, Dehydrogenation, Copper, Chromium, Catalysts, Catalysis.

A study of catalytic dehydrogenation of isopropylbenzene to α-methylstyrene showed that this method may be recommended for testing on a commerical scale. α-Methylstyrene is distinguished by a number of advantages over styrene. Its preparation is simpler and the quality of synthetic rubber obtainable by its copolymerization with 1,3-butadiene is apparently higher than that of copolymers of the latter with styrene. De- (Chemistry--Organic, TT, v. 6, no. 11) (over)

61-20159

I. Balandin, A. A.
II. Marukyan, G. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

The Kinetics of the Chamber Process for Sulfuric Acid, by I. N. Kuzminykh.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 19, 1946, pp 217-230.
ATS 94-21208R - $35.25.
NTC 72-10762-07D

Jan 73

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Krasyukov, A. P., Boikova, E. P., and Kalita, L. A.
PREPARATION OF A TANNING MATERIAL FROM OIL REFINING WASTE PRODUCTS. [1961] 6p. 2 refs.
Order from OTS or SLA $1.10 61-20119

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, p. 322-328

DESCRIPTORS: *Oils, Refineries, *Chemical waste, *Tannic acids, *Leather.

A synthetic tanning material (sulfosyntan) was prepared on a laboratory scale from acid sludge from refining paraffinic oil. The simplicity of its preparation and of the equipment required make this material inexpensive; its quality is not lower than that of sulfoanthracene, which is used in the USSR for tanning. Subsequent strengthening of the adhesion of sulfoparaffin to the hide fibers with the aid of green vitriol
(Materials--Leather, TT, v. 7, no. 8) (over)

61-20119

1. Title: Tanning
2. Title: Sulfosyntan
I. Krasyukov, A. P.
II. Boikova, E. P.
III. Kalita, L. A.

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Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Kremnev, L. Ya., Mischchenko, K. P., and Feklinov, A. I.
EMULSIONS OF METALLIC MAGNESIUM IN THE MELTS OF VARIOUS SALTS. [1963] 16p.
Order from K-H $16.00 K-H 6065 a

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1946, v. 19, no. 4, p. 363-370.

DESCRIPTORS: *Magnesium, Liquid metals, *Salts, Melting, *Colloids.

(Chemistry--Inorganic, TT, v. 10, no. 2)

63-17276

I. Kremnev, L. Ya.
II. Mishchenko, K. P.
III. Feklinov, A. I.
IV. K-H-6065-a
V. Kresge-Hooker Science Library Associates, Detroit, Mich.

SLA TT-64-20201

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Explosive mixtures of water and methyl alcohol with magnesium and aluminum, by A. A. Shilovskiy, 12 pp

Zhurnal Prikladnoy Khimii, 1946, vol 19, no 4

RUSSIAN per, Vol 19 No 4 pp 371 - 378

Sci Museum Lib no 52/0054

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Tsyskovskii, V.
SYNTHESIS OF FATTY ACIDS FROM FRACTIONS OF PETROLATUM. [1961] 7p. 5 refs.
Order from OTS or SLA $1.10 61-20114

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, p. 428-434.

DESCRIPTORS: Hydrocarbons, Oxidation, *Fatty acids, Acids, Synthesis.

Previous attempts to use petrolatum as a raw material for oxidation to acids to be used for the manufacture of greases were unsatisfactory, because of the unsuitability of the molecular weights of a substantial portion of the charging stock and its contents of isoparaffins. Conditions of distillation were found during which isoparaffins contained in petrolatum are for the most part broken down into straight chain paraffins. Fractions of the material amounting to up
(Chemistry--Organic, TT, v. 7, no. 10) (over)

61-20114

1. Title: Petrolatum
I. Tsyskovskii, V.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Reaction of Niobium and Tantalum With Polyphenols, by Yu. V. Karyukin and P. M. Teleshnikova.

Full translation.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, Vo 4, USSR, 1946, pp 435-439.

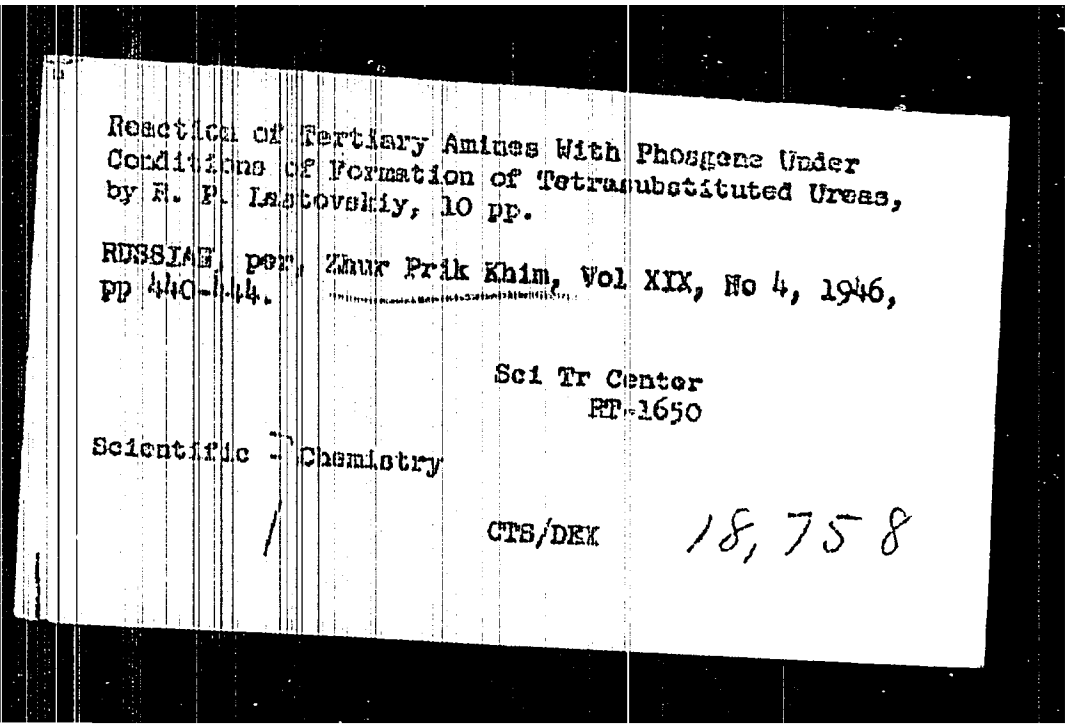
AEC Tr 1279

Scientific - Chemistry

Jun 52 CFS DEK

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1



Reaction of Tertiary Amines With Phosgene Under Conditions of Formation of Tetrasubstituted Ureas, by N. P. Lastovskiy, 10 pp.

RUSSIAN, per Zhur Prik Khim, Vol XIX, No 4, 1946, pp 440-444.

Sci Tr Center
PT-1650

Scientific - Chemistry

CTS/DEK 18,758

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Gutner, R., Morozova, G., Papkina, Z., Tishchenko, M., and Shchigelskaya, M.
VAPOR PHASE HYDROLYSIS OF CHLOROBENZENE, II. [8 Oct 47] [10p] 4refs
Order from OTS or SLA $1.10 63-18534

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) [1946] v. 19, p. 504-510.
A trans. is available in Dutch from OTS or ETC $1.55 as 61-17763, MTWL-98, 10p.

DESCRIPTORS: *Benzenes, *Chlorides, Hydrolysis, Vapors, *Phenols, Catalysts, Chemical reactions, Graphic analysis, Sorption.

(Chemistry--Organic, TT, v. 10, no. 10)

63-18534

1. Title: Phenyl chloride
I. Gutner, R.
II. Morozova, G.
III. Papkina, Z.
IV. Tishchenko, M.
V. Shchigelskaya, M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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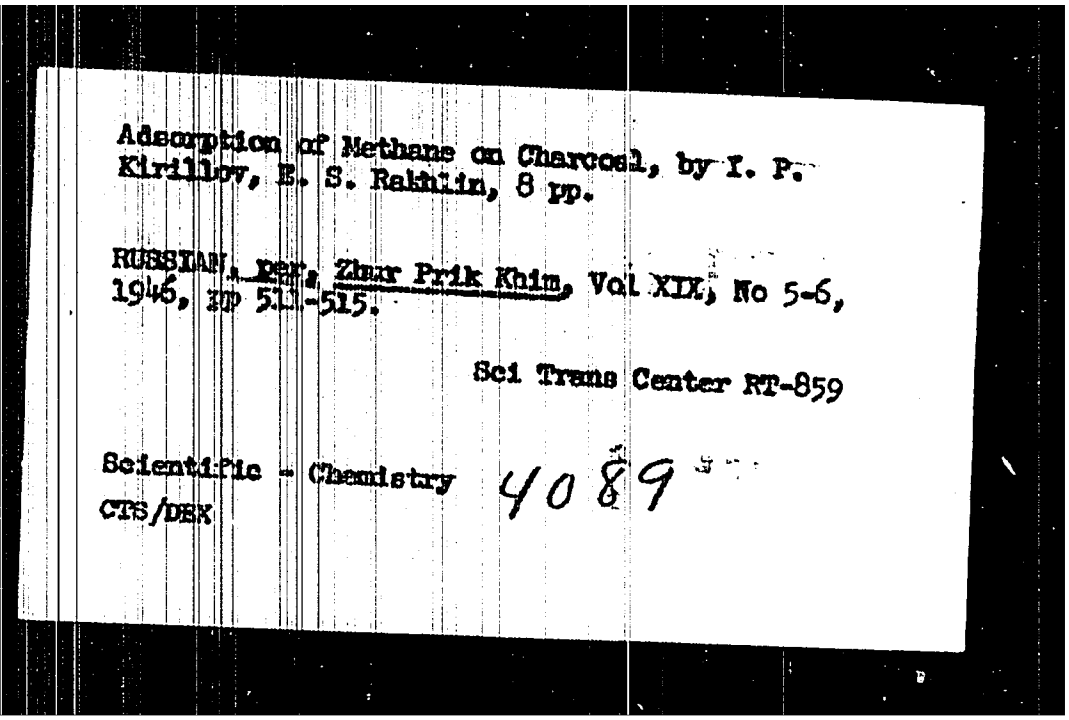

Adsorption of Methane on Charcoal, by I. P. Kirillov, E. S. Rakhlin, 8 pp.

RUSSIAN, Per, Zhur Prik Khim, Vol XIX, No 5-6, 1946, pp 511-515.

Sci Trans Center RT-859

Scientific - Chemistry 4089

CTS/DEK

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Deformation Properties of Thickeners, by M. G. Shikher

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 5/6, 1946, pp 542-552.

Assoc Tech Sv LJ-473
$13.80

42,177

Sci - Chemistry
Jan 57 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

S-178/60 (MY-4819)

High-Speed Oxidizing Gasification of Benzine, by M. I. Demnet'yeva, M. A. Rivin, D. M. Rudkovskiy, 38 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 7, 1946, pp 632-650.

JPRS 5506

Sci - Chem

128,300

Oct 60

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Mechanism of Corrosion of Iron by Sulfur,
by P. V. Gel'd, O. A. Esin

RUSSIAN, mo per, Zhur Prik Khim, Vol 19,
No 7, 1946, pp 678-83

Brutcher No 3186
$4.40

Scientific - Min/Metals, Chemistry
Feb 56 CTS/dex

31,235

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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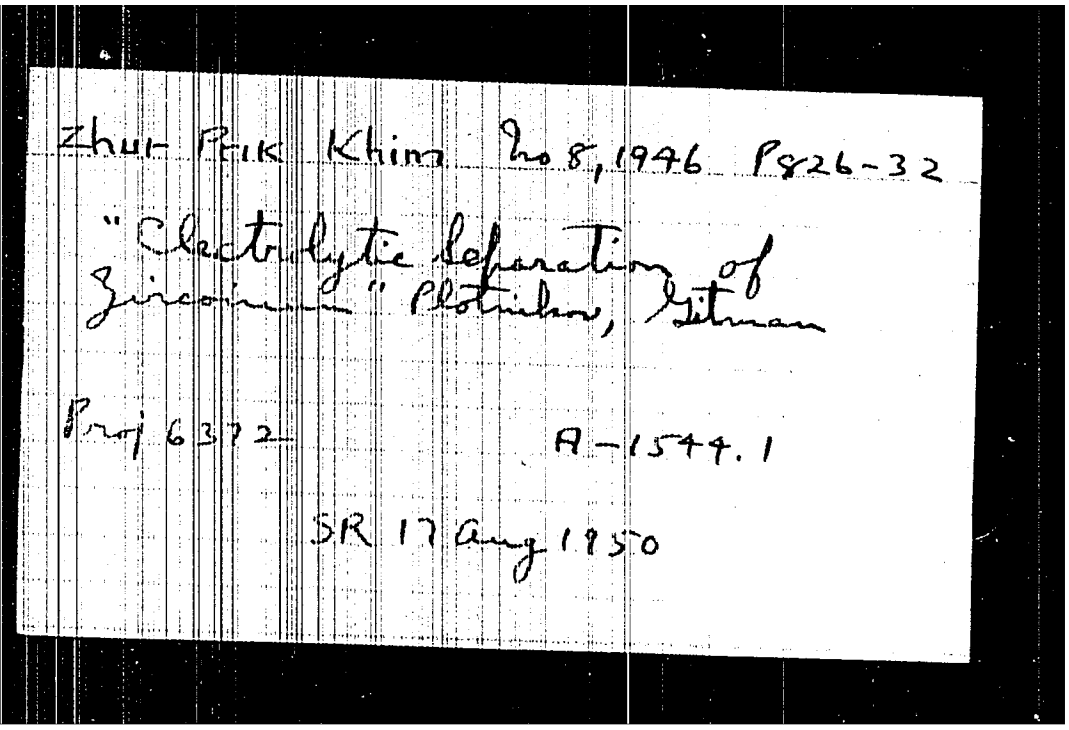


Zhur Prik Khim No 8, 1946 P826-32

"Electrolytic Separation of Zirconium" Plotnikov, Gitman

Proj 6372 A-1544.1

SR 17 Aug 1950

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Zhur Prik Khim, XIX, 684-92; 841-47 (1946)

The Suspending Ability of Clayey Washing Liquids Used in Drilling I and II

P. M. Khomikovskiy and D. I. Shilov

(Wilson Dam 2579) SLA R-[illegible]

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Synthesis of Polyvinyl Foam in the Homogenous Medium, by S. N. Ushakov, O. B. Eve.
RUSSIAN, per. Zh. Prik. Khim, Vol 19, No 9, 1946, pp 853-860.
NLL 5828.4F (11812)

Sci - Chem
Sept. 67

340,357

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Absorption of Carbon Dioxide by Ethanolamines
I. The Rate of Absorption of Carbon Dioxide by Solutions of Mono-, Di-, and Triethanolamines, by A. L. Shneerson, A. G. Leibush, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 9, 1946, pp 869-879.

SLA R-1873

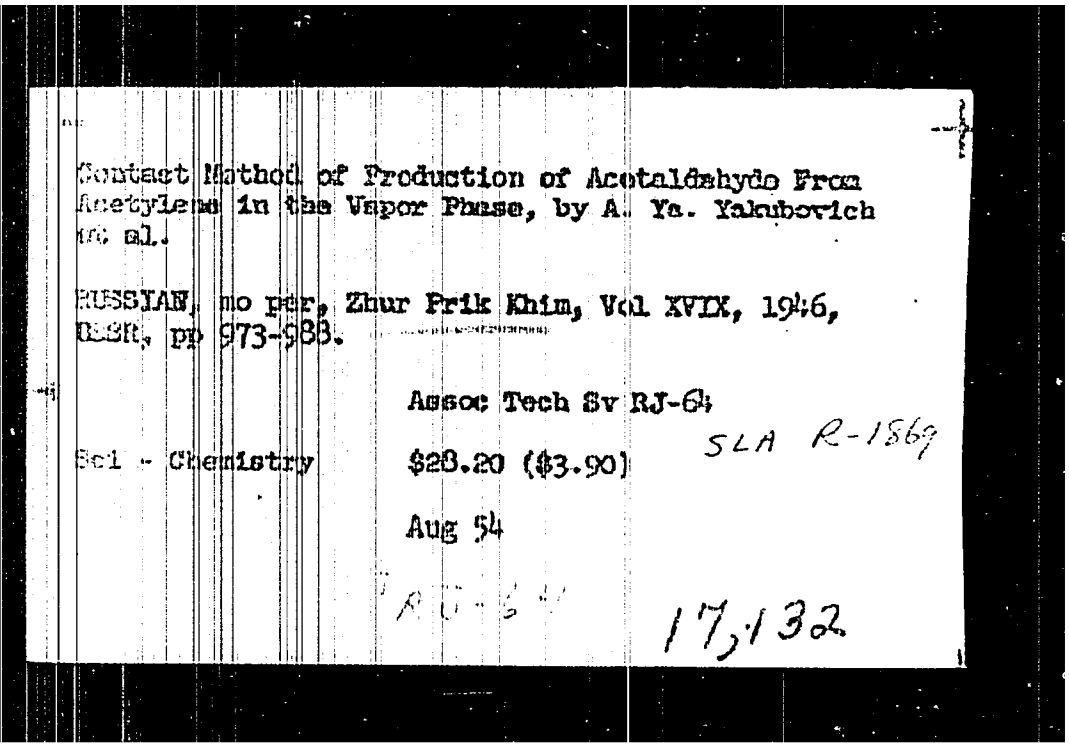
NLL/RTS 2275

Sci
Aug 58

70,844

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1



Contact Method of Production of Acetaldehyde From Acetylene in the Vapor Phase, by A. Ya. Yakubovich et al.

RUSSIAN, no per, Zhur Prik Khim, Vol XVIX, 1946, USSR, pp 973-988.

Assoc Tech Sv RJ-64

Sci - Chemistry $28.20 ($3.90)

Aug 54

SLA R-1869

17,132

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Dertev, N. K.
NEW METHOD OF MAKING GLASS ON BASIS OF SODIUM CHLORIDE IN PLACE OF SODA. [1962] [29]p. 7 refs.
Order from OTS or SLA $2.60 62-16465

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, no. 9, p. 1007-1017.

DESCRIPTORS: Manufacturing methods, *Glass, *Sodium compounds, *Chlorides, Carbonates.

(Materials--Ceramics, TT, v. 8, no. 11)

62-16465

1. Dertev, N. K.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Complex Fluoride Compounds of Tantalum and Niobium, by G. S. Savchenko, I. V. Tananaev, 19 pp
UNCLASSIFIED

RUSSIAN, per, Zhur Prik Khimi, Vol XIX, No 10-11, 1946, 1093-1106,

Sci Tr Center
RT-1118

AEC-Tr-6469
(9215593)

Scientific - Chemistry

15,359

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Dehydrogenation of Ethylbenzene in Mixture with Xylene, by A.A. Balandin and G.M. Marukyan. RUSSIAN, per, Zhurnal Prikladnoi Khimii, 1946, Vol. 19, no. 12, pp.1277-1280. SLA-TT-64-20366

Chem
Aug 66

306,620

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Zhur Prik Khim XI X, 1350-7, 1946

Physico-Chemical Analysis in the Field of the Hydrochloric Acid Treatment of Phosphates I. The System $CaO-P_2O_5-HCl-H_2O$

A. A. Taperova and M. N. Shul'gina (Lab for Physicochemical Analysis of the Sci Inst of Fertilizers and Insectofungicides, MUIUF)

(Wilson Dam 2612)

CTS 63-16429

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Oscillographic Study of Discharge in Pulsed X-Ray Tubes, by E. M. Reikhrudel, A. A. Sazin, T. A. Titova, 6 pp.

RUSSIAN, per, Zhurnal Prikladnoi Fiziki, Vol XXI, No 7, 1951.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Physics

May 60

113,850

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Effective Coefficient of Heat Transfer in Catalyst
Masnec, by V. O. Bakhmurev, G. K. Boreskov.

RUSSIAN, per, Zhur Prik Khim, Vol. XX, 1947.

CIA/TDD/X-146

Scientific - Chemistry

15,037

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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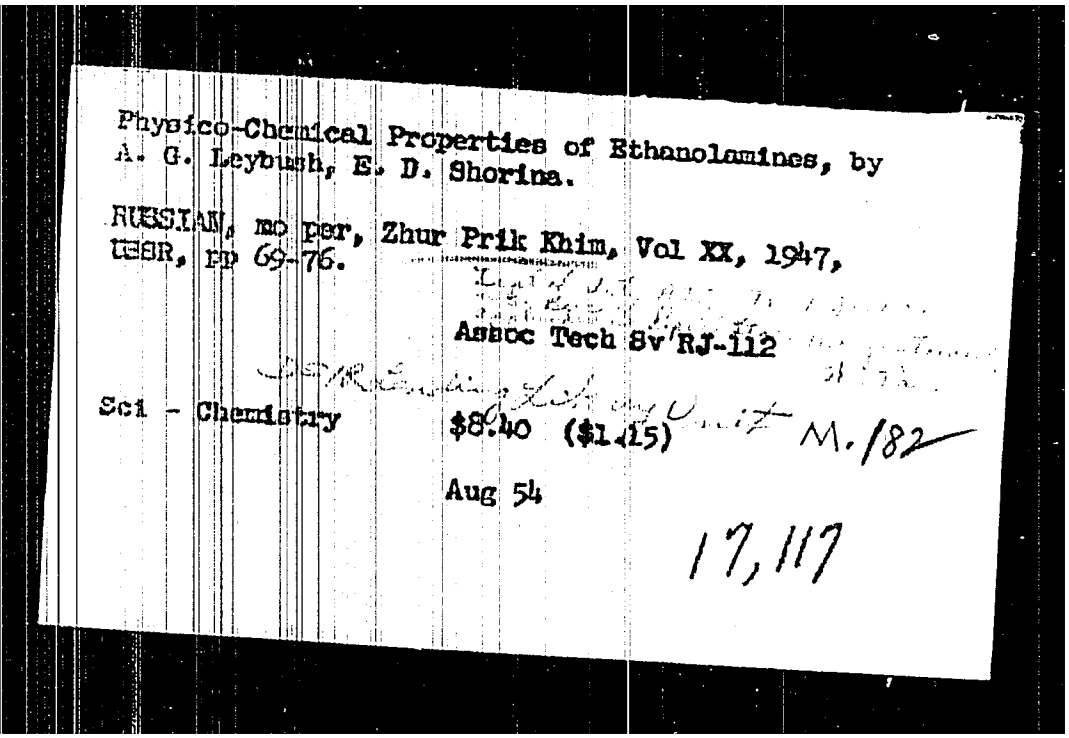

Physico-Chemical Properties of Ethanolamines, by A. G. Leybush, E. D. Shorina.

RUSSIAN, no per, Zhur Prik Khim, Vol XX, 1947, USSR, pp 69-76.

Assoc Tech Sv RJ-112

Sci - Chemistry

$8.40 ($1.15)

Aug 54

M. 182

17,117

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Reduction of Nickel Silicate Minerals by Carbon Monoxide, by D. P. Bogatskiy, 15 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XX, No 1/2, 1947, pp 81, 88.

Sci Tr Center RT-2854

Scientific - Chemistry; Min/Metals
Jan 56 CTS/dex

30, 213

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Hydrometallurgical Treatment of Alluvial Nickel Ores by the Ammoniacal Method, by D. P. Bogatskiy, A. S. Semenova, 19 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XX, No 1/2, 1947, pp 89-96.

Sci Tr Center RT-2855

Scientific - Min/Metals
Jan 56 CTS/dex

30,212

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

The Condensation of Melamine and Formaldehyde and the Preparation of Melamine Formaldehyde Resins and Plastics From These Resins, by A. A. Vansheidt, Z. K. Naumova, N. E. Sorokina, 14 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XX, No 3, 1947, pp 163-169.

Sci Trans Center RT-3403

32,694

Scientific - Chemistry Apr 56

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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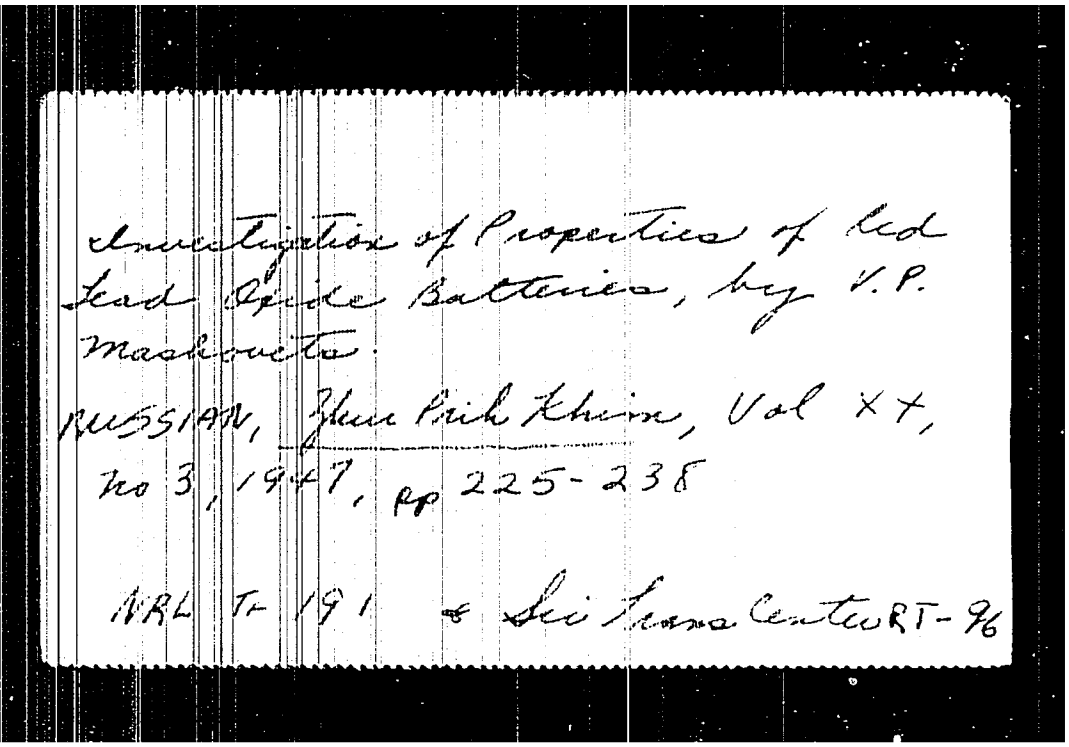

Investigation of Properties of Lead Lead Oxide Batteries, by V. P. Mashovets.

RUSSIAN, Zhur Prik Khim, Vol XX, No 3, 1947, pp 225-238

NRL T-191 & Sci Info Center RT-96

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

GORBUNOV, N. S.
AND OTHERS

Zhurnal Prikladnoi Khimii, vol. 20, No. 4, 8 figures, 2 tables, 1800 words; 1947.

Hardness of Chromium-impregnated Surfaces on Iron and Steel.

Brutcher Trans, Order No. 2022, $3.15.

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Bogatzkii, D. P.
REDUCTIE VAN NIKKELSILICAAT MINERALEN MET KOOLMONOXYDE (Reduction of Nickel Silicate Minerals with Carbon Monoxide). 13p. 9 refs. MTWL: 60. (text in Dutch).
Order from OTS or ETC $1.85 61-17658

Trans. of Zhurnal Prikladnoi Khimii (USSR)1947, v. 20, p. 81-88.

DESCRIPTORS: *Carbon compounds, *Oxides, Nickel compounds, Silicates, Minerals, *Reduction.

61-17658

I. Bogatzkii, D. P.
II. MTWL-60
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

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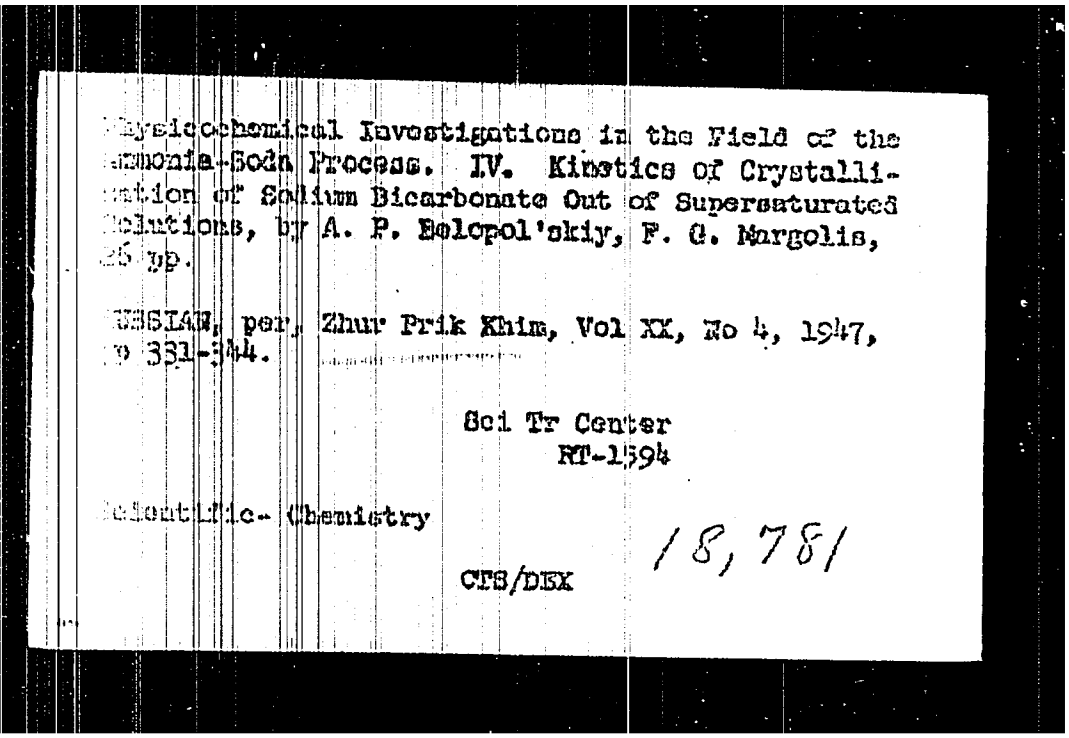

Physicochemical Investigations in the Field of the Ammonia-Soda Process. IV. Kinetics of Crystallization of Sodium Bicarbonate Out of Supersaturated Solutions, by A. P. Bolopol'skiy, F. G. Margolis, 26 pp.

USSIAN, per, Zhur Prik Khim, Vol XX, No 4, 1947, pp 331-344.

Sci Tr Center
RT-1594

Scientific- Chemistry

18,781

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

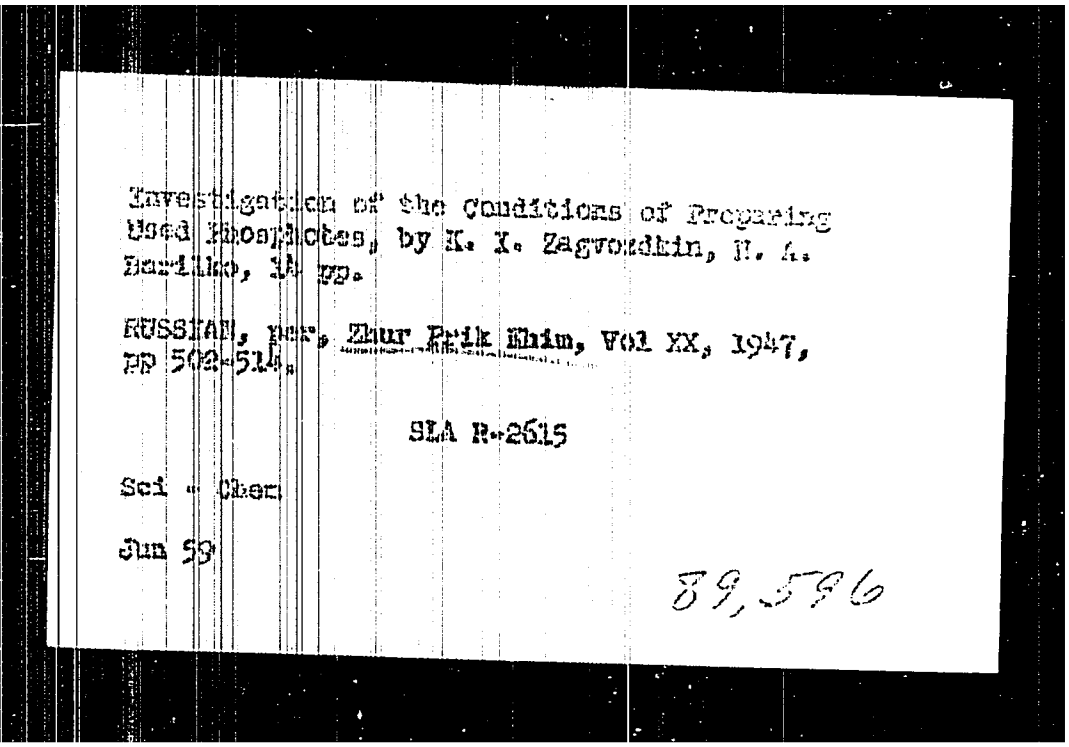
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Theory of Chemical Absorption. V.
Absorption of Carbon Dioxide by Sodium Carbonate
Solutions by M. E. Pozin.
RUSSIAN, per, Zhurnal Prikladnoi Khim, Vol XX,
No 4, 1947, pp 353-359.
SLA TT 64-18955

Apr 67 323,080

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1



Investigation of the Conditions of Preparing
Used Phosphates, by K. I. Zagvozdkin, N. A.
Bazilko, 14 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, 1947,
pp 502-514.

SLA R-2615

Sci - Chem

Jun 59

89,596

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Pozin, M. E. and Opykhtin, M. A.
THE THEORY OF CHEMICAL ABSORPTION. V. THE ABSORPTION OF CHLORINE AND SULPHUR DIOXIDE BY SOLUTIONS OF CAUSTIC SODA: THE ABSORPTION OF CHLORINE BY BENZENE (Teoriya Khemosorbtsii. V. Absorbtsiya Khlora i Sernistogo Gaza Rastvorami Edkogo Natra: Absorbtsiya Khlora Benzolom). [1963] [23p] (foreign text included) 4refs
Order from OTS, SLA, or ETC $2.60 TT-63-20162

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20, no. 6, p. 523-631. (Abstract available)

DESCRIPTORS: *Absorption, *Chlorine, *Dioxides, *Sulfur compounds, *Sodium compounds, *Hydroxides, *Benzenes.

The correctess of the theoretically derived equations of kinetics of chemosorption was confirmed on a series of examples (absorption of chlorine and sulphurous gas (Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20162

I. Pozin, M. E.
II. Opykhtin, M. A.
III. Title: Absorption...
IV. Title: Absorption...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Faraday's Law and Current Yield in the Electrolysis of Fused Salts. Part I. Influence of Temperature, by A. F. Alabyshev, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, 1947, pp 558-562, summary in English, p 563.

CIA/FDD/X-1247

Scientific - Chemistry
CTS/DEX

10,063

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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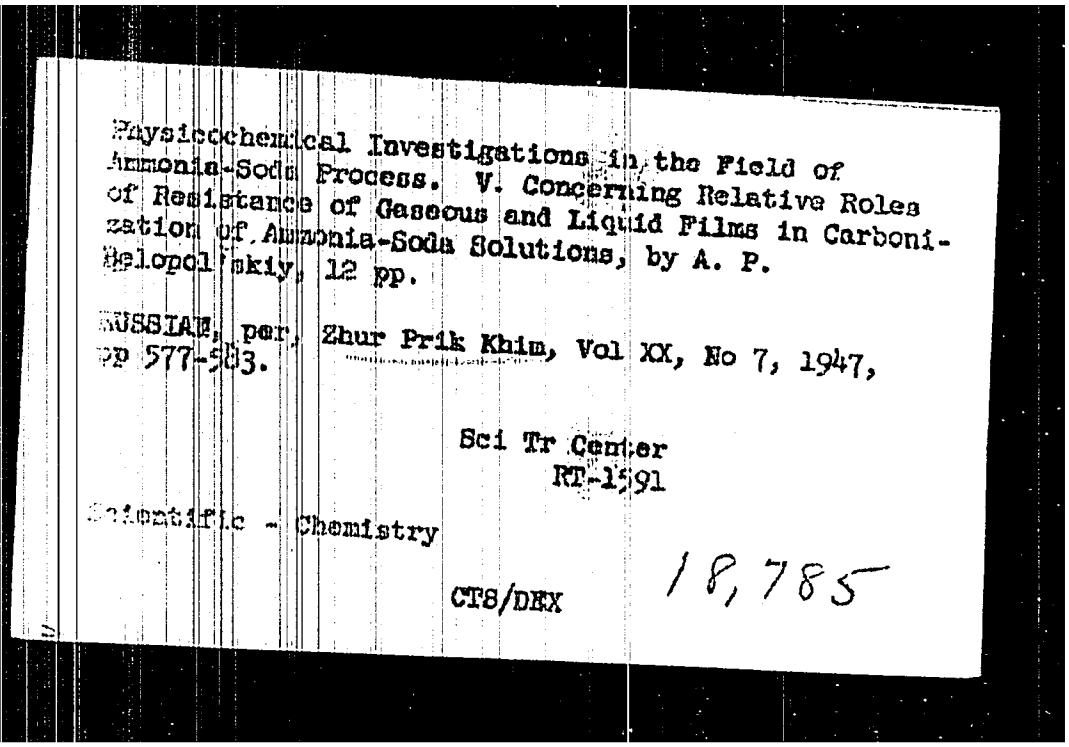

Physicochemical Investigations in the Field of Ammonia-Soda Process. V. Concerning Relative Roles of Resistance of Gaseous and Liquid Films in Carbonization of Ammonia-Soda Solutions, by A. P. Belopol'skiy, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No 7, 1947, pp 577-583.

Sci Tr Center
RT-1591

Scientific - Chemistry

CTS/DEX

18,785

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Faraday's Law and Current Yield in the Electrolysis of Fused Salts. Part II. Influence of Current Density at the Electrodes, by A. F Alabyshev, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, 1947, pp 597-604, summary in English, p 604.

CIA/FDD/X-1248
OTS PT-63-20431 (16pp)

Scientific - Chemistry
CTS/DEK

10,116

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

On Several Derivatives of Phenanthrene, by
Yu. S. Zalkind, Kh. V. Balyan.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No 7,
Jul 1950, p 1209.

Consultants Bureau

Scientific - Chemistry

14,455

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Reaction of Ethylene Oxide With Ammonia Over Aluminum Oxide, by M. S. Malinovskiy, B. N. Moryganov, 8 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XX, No 7, 1947, pp 630-634.

Sci Tr Center RT-2446

Scientific - Chemistry
Dec 55 CTS/ADEX

28,987

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Resistance of an Electrolyte in a Bath as a Function of the Form, Dimensions, and Arrangement of the Electrodes. III. A Combination of a Flat Electrode and a Cylindrical one, by V. P. Mashovets, V. V. Cherdyntsev, M. V. Nekstrueva, 19 pp, Yeva.
UNCLASSIFIED
K-A-2376b
RUSSIAN, per, Zhur Prik Khim, Vol XX, No 7, 1947, pp 660-668.

OTS TT-62-20751
Sci Tr Center
RT-1801
Jan 55
80,533
Scientific - Chemistry CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

P'yankov, V. and Druzhinin, F.
OVER DE SNELHEID DER REACTIES VAN ZWAVELWATERSTOF MET ENIGE METAALOXYDEN (Velocity of the Reaction Between Hydrogen Sulfide and Some Metal Oxides) tr. by G. J. M. Fritschy. 7p. 4 refs. MTWL: 49. (text in Dutch).
Order from OTS or ETC $1.55 61-17667

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20, p. 693-696.

DESCRIPTORS: *Hydrogen compounds, *Sulfides, Metals, *Oxides, Chemical reactions.

61-17667

I. P'yankov, V.
II. Druzhinin, F.
III. MTWL-49
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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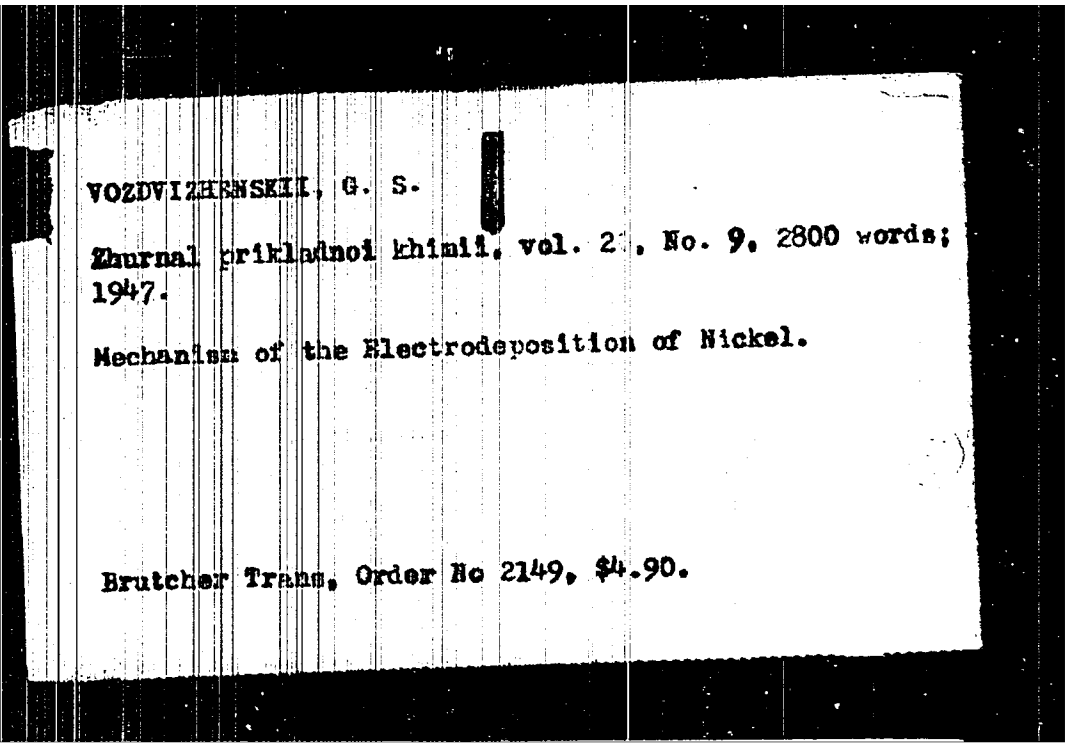

VOZDVIZHENSKII, G. S.

Zhurnal prikladnoi khimii, vol. 2 , No. 9, 2800 words; 1947.

Mechanism of the Electrodeposition of Nickel.

Brutcher Trans, Order No 2149, $4.90.

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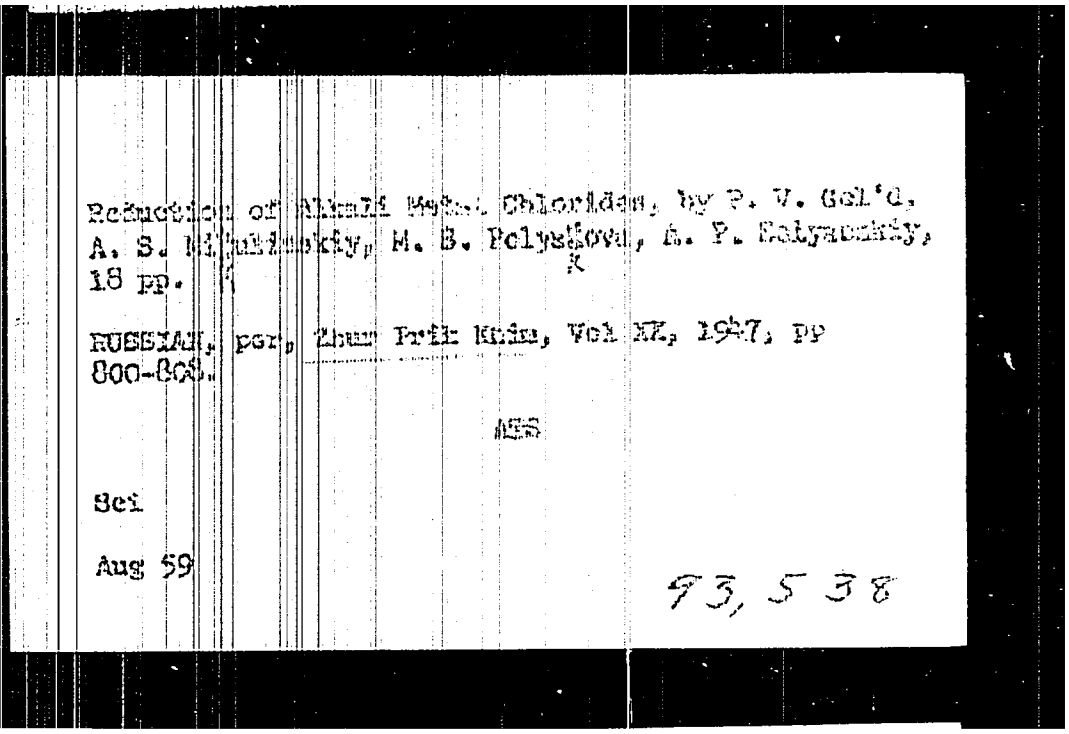

Reduction of Alkali Met. Chlorides, by P. V. Gel'd, A. S. Mikulinskiy, M. B. Polyakova, A. P. Polyanskiy, 18 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, 1947, pp 809-818.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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Shneerson, A. L. and Leibush, A. G.
ABSORPTION OF CARBON DIOXIDE BY ETHANOLAMINES. I. RATE OF ABSORPTION OF CARBON DIOXIDE IN SOLUTIONS OF MONO- DI- AND TRIETHANOLAMINES. 23p. 17 refs. MTWL: 171.
Order from OTS or ETC $1.91 61-17837

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, no. 9, p. 869-880.

DESCRIPTORS: *Carbondioxide, Ethanols, *Amines, Solutions, Absorption.

61-17837

I. Shneerson, A. L.
II. Leibush, A. G.
III. MTWL-171
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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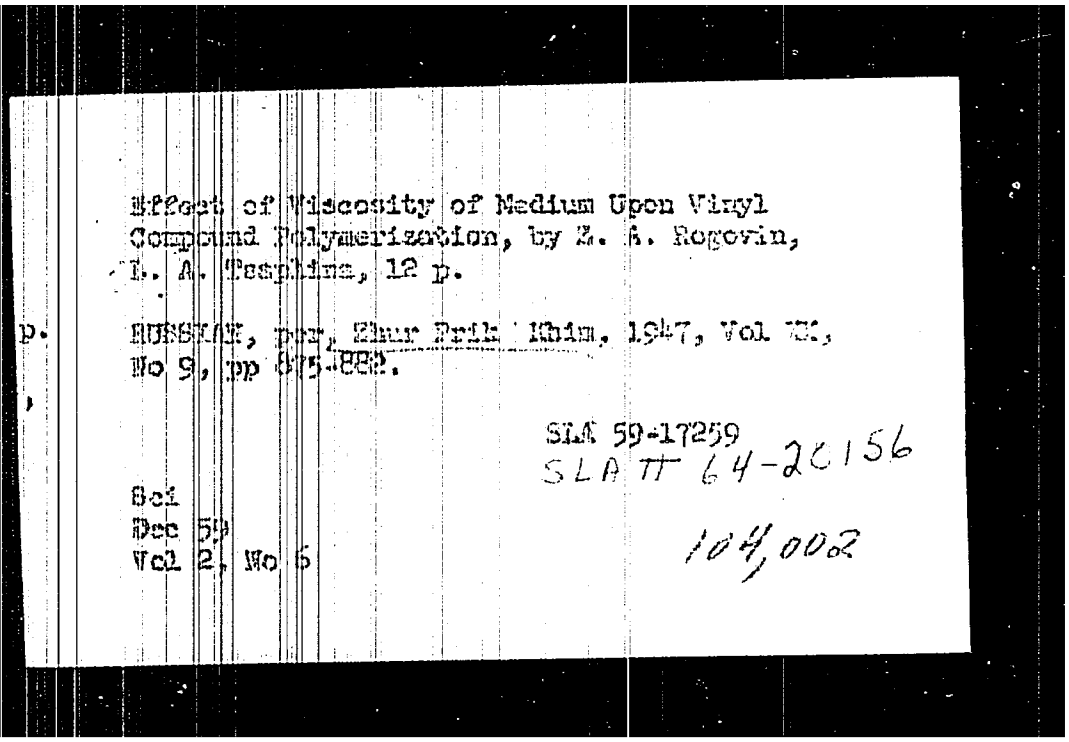

Effect of Viscosity of Medium Upon Vinyl Compound Polymerization, by Z. A. Rogovin, I. A. Tesphina, 12 p.

p. RUSSIAN, per, Zhur Prik Khim, 1947, Vol XX, No 9, pp 875-882.

SLA 59-17259
SLA TT 64-20156

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Vol 2, No 6

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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Polymerization of Vinyls in Presence of Nitric Acid Esters, by Z. A. Rogovin, L. A. Tsaplina, 6 p.

RUSSIAN, per, Zhur Prik Khim, 1947, Vol XX, No 9, pp 883-886.

SLA 59-17260
UTS TT-63-20611

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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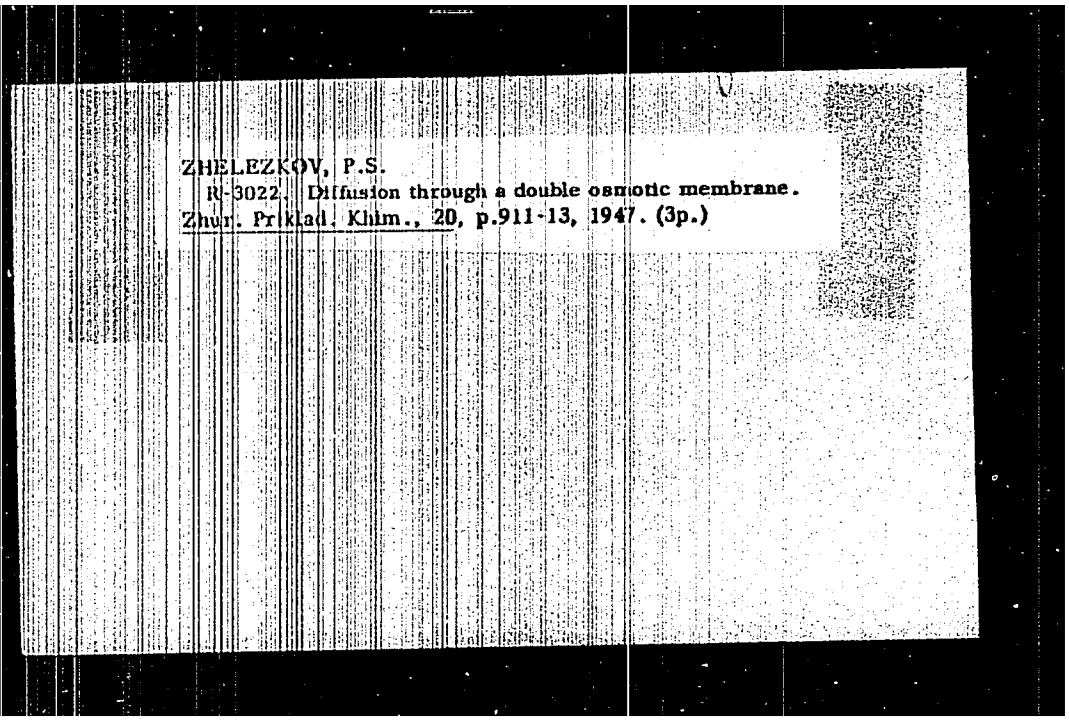

ZHELEZKOV, P.S.
R-3022. Diffusion through a double osmotic membrane.
Zhur. Prikad. Khim., 20, p.911-13, 1947. (3p.)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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Pozin, M. E.
THE THEORY OF CHEMICAL ABSORPTION. VIII. ON THE COEFFICIENT OF THE RATE OF ABSORPTION. [1963] 17p (figs formulae omitted) 12refs
Order from OTS, SLA, or ETC $1.60 TT-63-18566

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20, no. 10, p. 963-975. (Abstract available)
A trans. is available in Dutch from OTS or ETC $2.71 in TT-61-17957, MTWL-303, 43p.

DESCRIPTORS: *Absorption, *Kinetic theory, Diffusion, Absorbents, *Towers (Chemistry), Fluid flow,

There is established the regularity for the rate of mass-transmission through a diffusion layer of liquid in the form of a function of dimensionless criteria characterizing the physical, hydrodynamic and geometric conditions of work of a scrubber. The experiments which (over)
(Chemistry--Physical, TT, v. 11, no. 4)

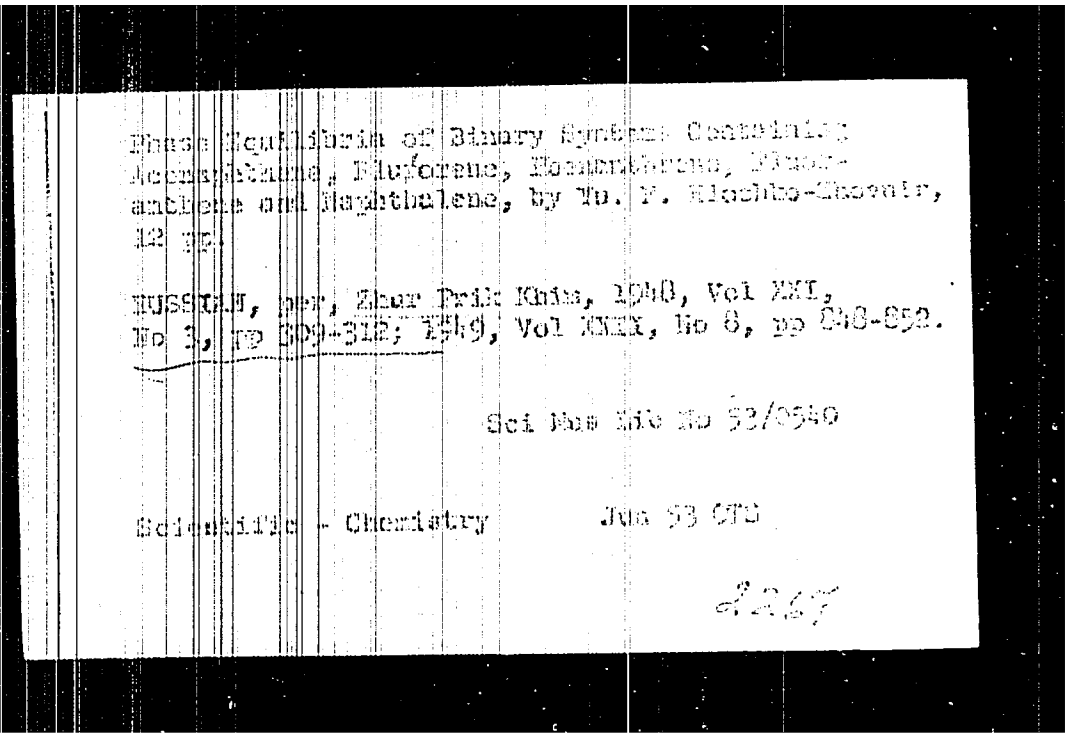
TT-63-18566

I. Pozin, M. E.
II. Title: Or...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1



Phase Equilibrium of Binary Systems Containing Acenaphthene, Fluorene, Hexamethylene, Phenanthrene and Naphthalene, by Yu. V. Klochko-Chernyy, 12 pp.

RUSSIAN, per, Zhur Prik Khim, 1948, Vol XXI, No 3, pp 309-312; Eng, Vol XXIX, No 8, pp 848-852.

Sci Mus Lib No 53/0540

Solid State - Chemistry Jun 53 STS

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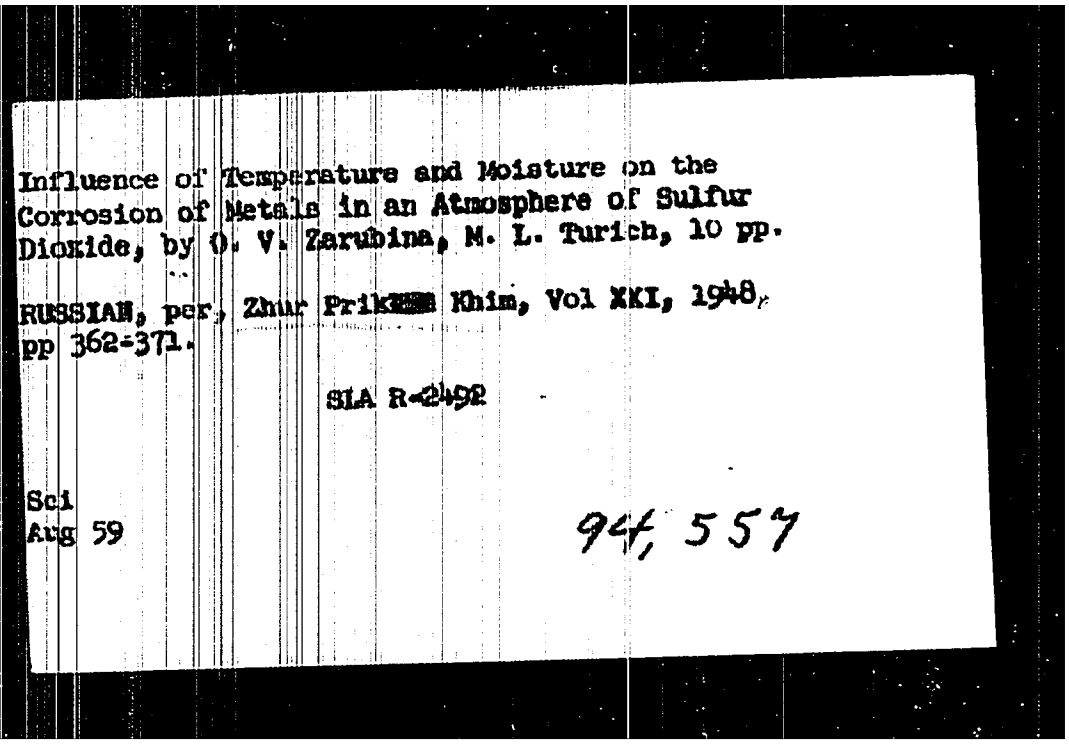
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1



Influence of Temperature and Moisture on the Corrosion of Metals in an Atmosphere of Sulfur Dioxide, by O. V. Zarubina, M. L. Turich, 10 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXI, 1948, pp 362-371.

SIA R-2492

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

The Nature of Heat Liberation in the Synthesis of Calcium Silicates, by F. I. Vasenin.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948, pp 389-393. T-7403

United Kingdom Scientific Mission
SLA

Sci - Chemistry
Oct 57

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

ZHUR PRIKLAD KHIMII Vol XXI, No 4, 1948, 16 pp

"Effect of Impurities in a Lead-Antimony Alloy on the Work of the Grid of a Lead Storage Battery. I. Anode Corrosion of the Alloys" II. "The Kinetics of Errosion"

V. P. Mashovets
A. Z. Lyandres

Translation (32 pp) M. A. London R 1686-49
listed in abstracts of T. I. Documents
ONI FS 4320-49, 15 Aug 1949

ORD Hdqs DSAP 4/2

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Thermal Oxidation of Chromium Oxide and Dissociation of Calcium Chromates, by F. I. Vasenin, 16 pp.

RUSSIAN, ppr, Zhur Prik Khim, Vol XXI, 1948, pp 429-436.

AEC SCL T-171

Sci - Chem

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

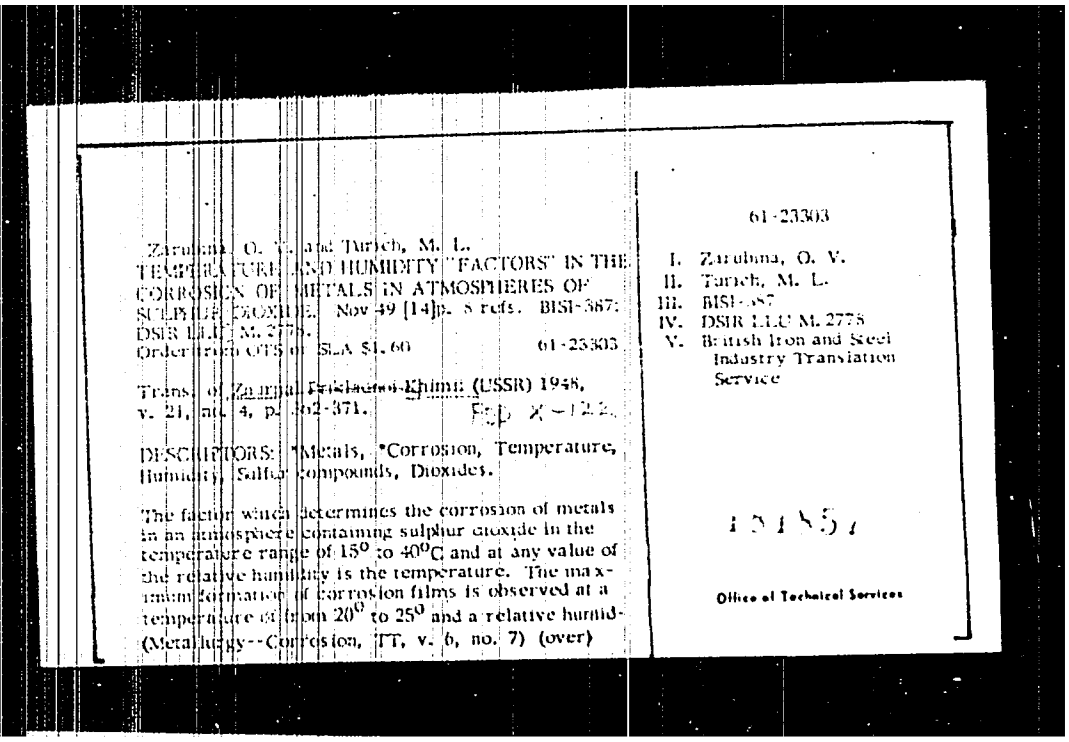
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

CHALOV, N. V.

R-3011 Preparation of trihydroxyglutaric acid by oxidation of xylose with nitric acid. Zhur. Prikład. Khim., 21, p.486-95, 1948. (12p.)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1



Zarubina, O. V. and Turich, M. L.
TEMPERATURE AND HUMIDITY "FACTORS" IN THE CORROSION OF METALS IN ATMOSPHERES OF SULPHUR DIOXIDE. Nov 49 [14]p. 8 refs. BISI-387; DSIR LLU M. 2775.
Order from OTS or SLA $1.60 61-23303

Trans. of Zashchita Metallov-Khimii (USSR) 1948, v. 21, no. 4, p. 362-371.

DESCRIPTORS: *Metals, *Corrosion, Temperature, Humidity, Sulfur compounds, Dioxides.

The factor which determines the corrosion of metals in an atmosphere containing sulphur dioxide in the temperature range of 15° to 40°C and at any value of the relative humidity is the temperature. The maximum formation of corrosion films is observed at a temperature of from 20° to 25° and a relative humid- (Metallurgy--Corrosion, IT, v. 6, no. 7) (over)

61-23303

I. Zarubina, O. V.
II. Turich, M. L.
III. BISI-387
IV. DSIR LLU M. 2775
V. British Iron and Steel Industry Translation Service

13457

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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The Primary Source of Acetic Acid in the Thermal Decomposition of Deciduous Wood, by B. S. Ermolayeva, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948, pp 543-547.

SLA R-3012

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On the Action of Water Upon Amino Plastics, by
A. A. Vansheidt, Z. K. Naumova.
RUSSIAN, per, Zh. Prik Khim, Vol 21, No 6, 1948,
pp 644-654.
NLL 5828.4P (11688)

Sci - Phys
Sept. 67 340,372

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

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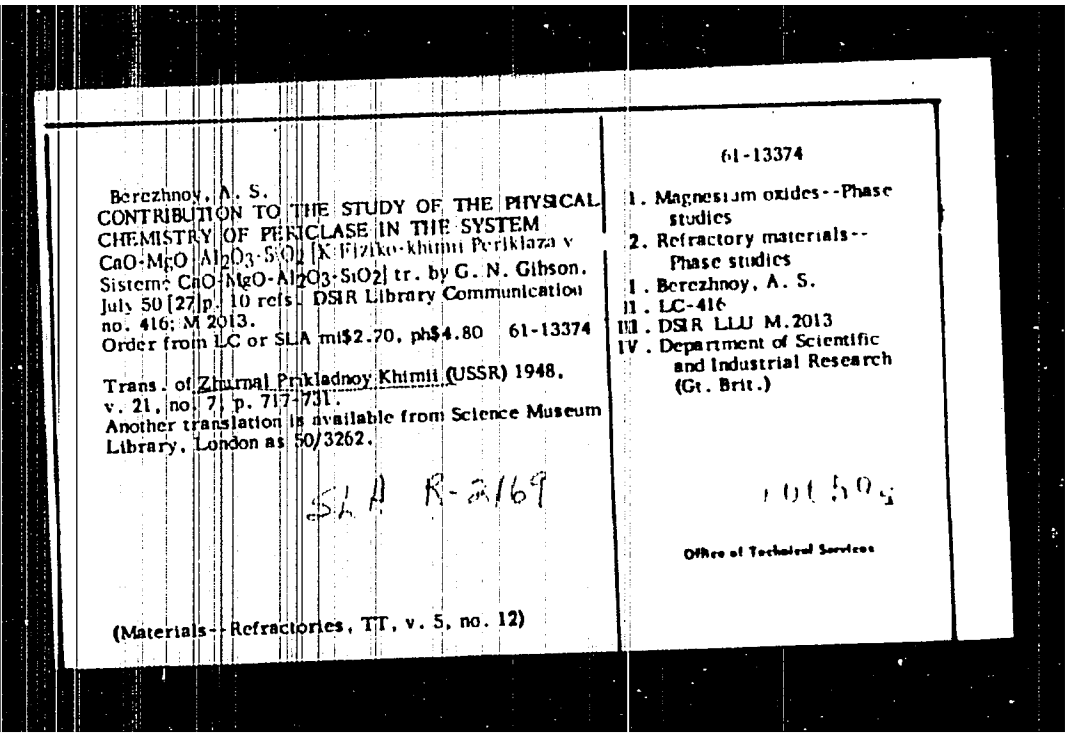

Berezhnoy, A. S.
CONTRIBUTION TO THE STUDY OF THE PHYSICAL CHEMISTRY OF PERICLASE IN THE SYSTEM $CaO-MgO-Al_2O_3-SiO_2$ [X. Fiziko-khimii Periklaza v Sisteme $CaO-MgO-Al_2O_3-SiO_2$] tr. by G. N. Gibson. July 50 [27]p. 10 refs. DSIR Library Communication no. 416; M 2013.
Order from LC or SLA mi$2.70, ph$4.80 61-13374

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1948, v. 21, no. 7, p. 717-731.
Another translation is available from Science Museum Library, London as 50/3262.

SLA R-2169

(Materials--Refractories, TT, v. 5, no. 12)

61-13374

1. Magnesium oxides--Phase studies
2. Refractory materials--Phase studies
I. Berezhnoy, A. S.
II. LC-416
III. DSIR LLU M.2013
IV. Department of Scientific and Industrial Research (Gt. Brit.)

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Current Yield of Electrolyzing Fused Salts, by A. L. Rotinyan, 15 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948, pp 755-764.

CIA/MDD/X-1259

Scientific - Chemistry
CTS/DEM

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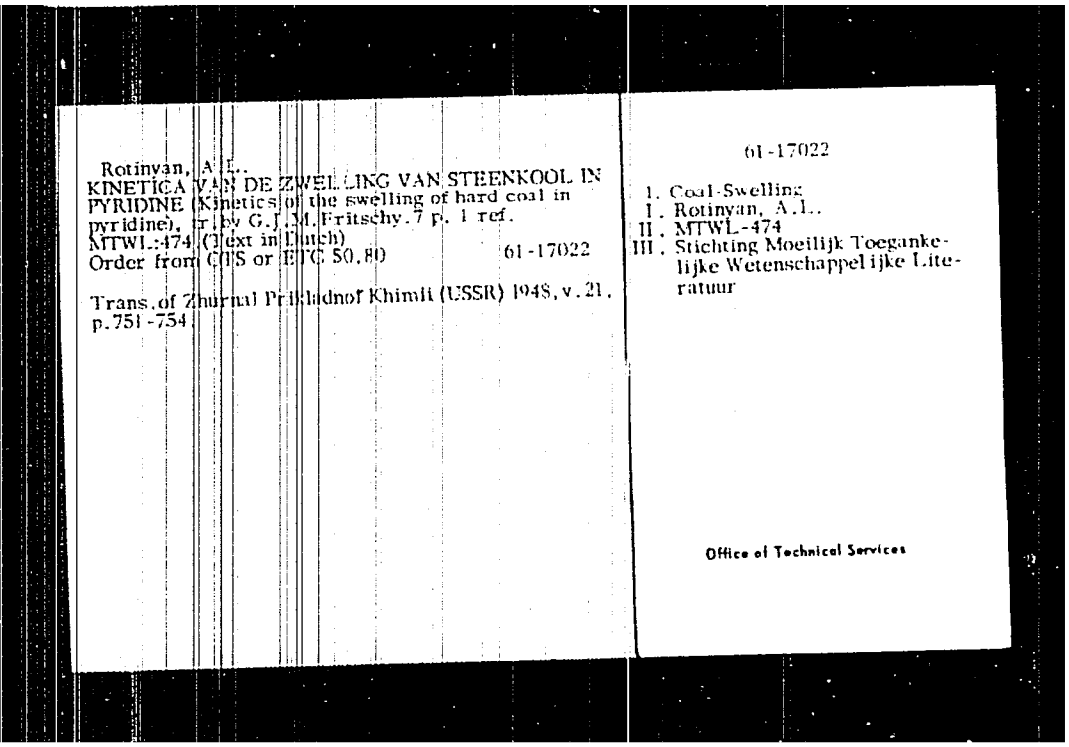

Rotinyan, A.L..
KINETICA VAN DE ZWELLING VAN STEENKOOL IN PYRIDINE (Kinetics of the swelling of hard coal in pyridine), tr.by G.J.M.Fritschy.7 p. 1 ref.
MTWL:-474 (Text in Dutch)
Order from CIS or ETC 50.80 61-17022

Trans.of Zhurnal Prikladnof Khimii (USSR) 1948, v.21, p.751-754

61-17022

1. Coal-Swelling
I. Rotinyan, A.L..
II. MTWL-474
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

To the Question of Studying High-Percentage Ferrosilicon, by A. A. Trots, M. S. Maksimenko, 10 pp.

RUSSIAN, Zhur Prik Khim, Vol XXI, No 7, pp 775-780, 1948.

Morris D. Friedman T-124

Sci - Chem
Aug 58

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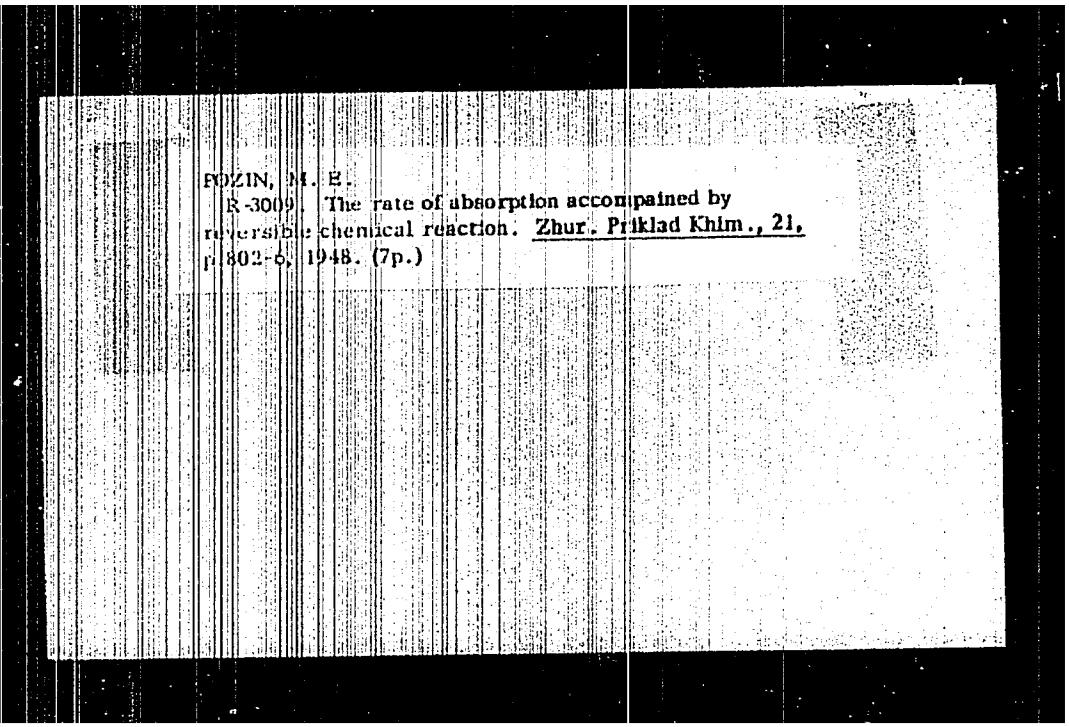

POZIN, M. E.
R-3009. The rate of absorption accompained by reversible chemical reaction. Zhur. Prikład Khim., 21, p. 802-6, 1948. (7p.)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Mit'kevich, G. P.
THE RELATIONSHIP BETWEEN FROTHING PROPERTIES AND THE SIZES OF BUBBLES. [1960] [5]p.
9 refs. Warren Spring Lab. Trans. NT739; M1347.
Order from LC or SLA m$1.60, ph$1.80 60-17182

Trans. of Zhurn[al] Fiziad[nay] Khim[ii] (USSR) 1948, v. 21, no. 8, p. 816-819.

An optical method is suggested for studying the dynamics of the formation and disintegration of the mass of froth as a whole. For a given frother and selected operating conditions a definite range exists, which contains the bubble size with the highest stability. A study is made of the kinetics of changes in the excess pressure inside the bubbles during formation and disintegration of the froth. (Author)

(Engineering--Chemical, TT, v. 5, no. 4)

60-17182

1. Flotation--Physical factors
2. Bubbles--Growth
I. Mit'kevich, G. P.
II. DSIR NT-739
III. DSIR LLU M.1347
IV. Department of Scientific and Industrial Research (Gt. Brit.)

143,242

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290076-1

Specific Heats of Aqueous Solutions of $MgCl_2$, $CaCl_2$, NaCl, KCl, KNO_3, and NH_4NO_3 at 25°, 50° and 75°C, by A. P. Rutskov, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, 1948, pp 820-823.

SLA R-2164

Sci

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